

Listing of Claims:

1-30 (Cancelled)

31. (Previously presented) In an electrical switch having structure movable between an on position and an on off position, the electrical switch having a portion exposed to ambient radiation upon installation, the improvement comprising: an entrance aperture on the movable structure of the electrical switch, the entrance aperture configured to admit a portion of the ambient radiation to a detector for sensing changes in ambient radiation and adapted to receive a cover element which substantially conforms to a surface of the moveable structure.

32. (Cancelled)

33. (Original) An electrical switch as in claim 31 further comprising a radiation-transparent cover element over at least a portion of the entrance aperture.

34. (Original) An electrical switch as in claim 33 wherein the cover element comprises a lens array of one or more elements.

35. (Cancelled)

36. (Previously presented) An electrical switch as in claim 33 wherein the cover element comprises an array of one or more microlenses.

37. (Previously presented) An electrical switch as in claim 33 wherein the cover element comprises a diffractive optics array.

38. (Previously presented) An electrical switch as in claim 33 wherein the aperture is in a surface of the movable structure and the cover element does not project beyond the surface.

39. (Previously presented) An electrical switch as in claim 31 wherein the switch is a rocker switch.

40. (Currently Amended) A motion detector, occupancy sensor or other similar system comprising:

an electrical switch having structure movable between an on position and an off position, the electrical switch having a portion exposed to ambient radiation upon installation, an entrance aperture on the movable structure of the electrical switch, the entrance aperture configured to admit a portion of the ambient radiation to a detector for sensing changes in ambient radiation and adapted to receive a cover element which substantially conforms to a surface of the moveable structure;

at least one lens array of one or more elements, at least one element being positioned to receive and at least partially focus incident infrared radiation; and

at least one detector positioned to receive the infrared radiation focused by the at least one lens array.

41. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 40 further comprising a radiation-transparent cover element over at least a portion of the entrance aperture.

42. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 40 wherein the cover element comprises a lens array of one or more elements.

43. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 40 wherein the cover element comprises a lens array of one or more microlenses.

44. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 40 wherein the cover element comprises a diffractive optics array.

45. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 40 wherein the switch is a rocker switch.

46. (Currently Amended) A motion detector, occupancy sensor or other similar system comprising:

an electrical switch having structure movable between an on position and an off position, the electrical switch having a portion exposed to ambient radiation upon installation,

an entrance aperture on the movable structure of the electrical switch, the entrance aperture configured to admit a portion of the ambient radiation to a detector for sensing changes in ambient radiation;

a first lens array of one or more elements, at least one element being positioned to receive and at least partially focus incident infrared radiation;

a second lens array one or more elements, at least one element being positioned to receive and focus the partially focused infrared radiation; and

at least one detector positioned to receive the infrared radiation focused by the second lens array.

47. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 46 further comprising a radiation-transparent cover element over at least a portion of the entrance aperture.

48. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 47 wherein the cover element comprises a lens array of one or more elements.

49. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 47 wherein the cover element comprises a lens array of one or more microlenses.

50. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 47 wherein the cover element comprises a diffractive optics array.

51. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 46 wherein the switch is a rocker switch.

52. (Previously presented) A motion detector, occupancy sensor or other similar system as in claim 46 further comprising at least one mirror positioned to reflect infrared radiation.